

Comparisons of Job Characteristics

Focus Occupation: Telecommunications Line Installers and Repairers (49-9052)

Associated Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 96

Focus Occupation: Telecommunications Line Installers and Repairers (49-9052)

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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Telecommunications	3.9	19.3	14.0	<<	Extensive education and/or training may be required
Computers and Electronics	8.4	15.4	10.4	<<	Extensive education and/or training may be required
Mechanical	6.8	12.4	8.1	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Telecommunications Line Installers and Repairers (49-9052)

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Troubleshooting	4.5	11.8	9.8	<	A higher skill level may be required
Quality Control Analysis	5.9	11.5	7.7	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	11.4	9.3	<	A higher skill level may be required
Repairing	3.4	10.6	7.1	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	10.3	8.3	<	A higher skill level may be required
Operation and Control	5.4	10.0	9.1	0	Current skill level may be sufficient
Equipment Selection	3.3	9.2	5.2	<<	Extensive development of skills in this area may be required

Installation	1.7	7.7	3.1	<<	Extensive development of skills in this area may be required
Programming	2.2	5.2	2.0	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 88				
Focus Occupation: Telecommunications Line Installers and Repairers (49-9052)						
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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation		
Visual Color Discrimination	6.4	12.9	9.6	<<	Extensive improvement in abilities may be required	
Finger Dexterity	7.6	12.0	9.7	<	Some improvement in abilities may be required	
Manual Dexterity	6.5	11.4	10.1	<	Some improvement in abilities may be required	
Visualization	7.5	11.0	8.1	<<	Extensive improvement in abilities may be required	
Gross Body Equilibrium	3.2	8.6	6.9	<	Some improvement in abilities may be required	
Gross Body Coordination	3.9	8.3	6.2	<<	Extensive improvement in abilities may be required	
Glare Sensitivity	2.6	6.1	4.0	<<	Extensive improvement in abilities may be required	
Night Vision	2.1	5.9	3.7	<<	Extensive improvement in abilities may be required	

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 88
Focus Occupation: Telecommunications Line Installers and Repairers (49-9052) Associated Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)		
Work Activities	Exclusivity of Activity	
Answer customer or public inquiries	41	
Apply cleaning solvents	41	
Calibrate or adjust electronic equipment or instruments to specification	67	
Clean equipment or machinery	20	
Climb ladders, scaffolding, or utility or telephone poles	56	
Dig holes or trenches for foundations, posts, poles, or related items	78	
Distinguish colors	44	
Erect power or communication poles or towers	95	

Install electronic power, communication, control, or security equipment or systems	76
Install/string electrical or electronic cable or wiring	76
Move or fit heavy objects	8
Read blueprints	10
Read schematics	34
Read technical drawings	7
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Splice electric cable	85
Splice electric or communications trunk lines	92
Test electrical/electronic wiring, equipment, systems or fixtures	54
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use interpersonal communication techniques	10
Use soldering equipment	44
Use two-way radio or mobile phone	42
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.